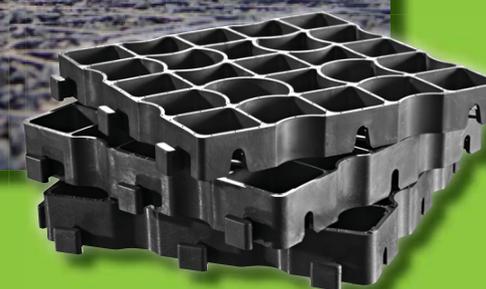


Do you have questions about **ECORASTER®** or to one of the shown projects? We are happy to help you. Give us a call or write us an email: **+354 431 11 11** or **VER@VER-ehfs.is**.



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**ECORASTER®**

ECORASTER® is a Trademark of PURUS PLASTICS GmbH.  
Subject to change without prior notice. E. & O.E.

**ECORASTER® - From Experience**  
Fire Access Routes

Permeable paving in use.



Even a modern 4WD Firetruck got stuck.

» The Problem:

Firefighting operations are often hindered by the lack or poor quality of access lanes and parking and turning areas.

In addition to unprofessionally constructed ground reinforcement and poor material quality, "gravel grass" can be one of the main reasons for failing access lanes and surfaces. The reason for this is the development of organic material (Humus). Mud filled tire treads and getting stuck in the mud can delay lifesaving access to the site in an emergency situation. The quick extinguishing of fire and other life saving measures can be compromised even with four wheel drive vehicles, and this not only with wet ground.

Additionally the use of parking and turning areas with soft sub bases is also problematic for rescue and firefighting vehicles. Modern extension ladder vehicles quickly detect sinking in soft ground and shut down automatically. The secure and stable positioning and extension of the ladder is thus impossible! Most fire and rescue vehicles are not fitted with suitable tires and four wheel drive.

Not to mention:  
Access to the emergency location does not necessarily mean secure parking!

» Our test run result:

Our pictures show a like-new German fire truck, 16t weight fully equipped. Although that truck has a fully adjustable 4WD and semi-offroad tires, it got stuck in normal grassland within five meters. Heavy equipment was needed to get it back on track. The grass had a normal humidity grade and was not prepared in any way.



» The Requirements:

Access roads, parking and turning surfaces have to meet the minimum standards of the Road Building Class VI (Guidelines for standardizing vehicular traffic surfaces- RStO)

Section from „Fire access surfaces“ (TBB/ DIN 14090)		
Access	with:	<ul style="list-style-type: none"> <li>• minimum 3 m (straight entrances)</li> <li>• minimum 3,5 m (entrances bordered with structures, where both side ≥ 12 m)</li> </ul>
	tonnage:	total allowed weight minimum 16t minimum 10t per axle
Hard-standing	dimensions:	minimum 5 m x 11 m*
	tonnage:	minimum 800 kN per m <sup>2</sup>
Turning area	dimensions:	<ul style="list-style-type: none"> <li>• i.e. vehicle minimum 7 m x 12 m,</li> <li>• plus extensions (4 m) front and rear of turning areas</li> </ul>
	tonnage:	minimum 16 t, minimum 10 t per axle



» The Benefits:

Ecoraster has been manufactured in Germany for over 20 years from 100% recycled content. Our ground reinforcement system includes a unique and proven safety locking element which has been proven millions of times. It is absolutely UV resistant, environmentally neutral, shatter proof, and long-life. The intense stress and loading of Ecoraster grid by snow removal equipment is absolutely problem free, and even with aggressive salting no damage occurs.

Simple and quick installation combined with ultra-high load ability and 20 year factory warranty ensures an outstanding value.

» The Solution:

The Ecoraster system reinforces or "paves" the ground surface without sealing it. This means that even with high surface loads ( 800 t / m , depending on II type) the rainwater/ firefighting water can easily infiltrate the ground, usually without additional complex drainage elements. This also means in some cases (depending on government) there is no storm-water tax per surface area. Because the ECORASTER® system can be filled with different II materials it allows total design freedom for landscaping.

Ecoraster ensures safe access and parking/turning of emergency vehicles.



» The Company:

PURUS PLASTICS is a mid-size family business located Arzberg German in the Bavarian Forest. We run one of the most modern factories in the world with a unique closed loop recycling system- from plastic waste to plastic granules, to sustainable products. As a founding member of the RAL quality association, we set the highest standards for plastics recycling. We want to guarantee that you have made the best choice with ECORASTER®.

» Please note:

Please follow the instructions and guidelines on our website. The local code must be followed.



» Certificates and Specifications

- ✓ UV-resistant (tested DIN EN 60068-2-5)
- ✓ Point axle load up to 20t (tested DIN 1072:1985)
- ✓ Heavy-duty (tested DIN EN 124:2011)
- ✓ Environmentally neutral (tested OECD 202:2004)
- ✓ Factory warranty: 20 years from purchase date
- ✓ NATO Certified
- ✓ TÜV Certified
- ✓ TÜV Nord „Made in Germany“

For further assistance:  
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